

Title (en)

Trihydrate crystal modification in the bayer process

Title (de)

Änderung der Trihydrat-Kristalle im Bayer-Verfahren

Title (fr)

Modification des cristaux de trihydrate dans le procédé Bayer

Publication

EP 0602900 B1 19970312 (EN)

Application

EP 93309924 A 19931209

Priority

US 99065892 A 19921214

Abstract (en)

[origin: EP0602900A1] In a Bayer process for the production of alumina, the crystal formation of alumina trihydrate is improved by adding to the clarified sodium aluminate liquor an anionic water-soluble hydroxamated polymer in an amount effective to provide an upward shift in the particle size distribution and alumina trihydrate crystals formed upon precipitation from the feed liquor.

IPC 1-7

C01F 7/14

IPC 8 full level

C01F 7/145 (2022.01)

CPC (source: EP US)

C01F 7/145 (2013.01 - EP US)

Cited by

EP1359123A3; US5968476A; US5879658A; CN109850929A; US6599489B2; US5736122A; EP0989096A3; US7442361B1; US8920768B2; US6248304B1; WO0102297A3

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EP 93309924 A 19931209; AT 93309924 T 19931209; AU 5234593 A 19931210; BR 9305055 A 19931214; DE 69308777 T 19931209; US 82413701 A 20010402